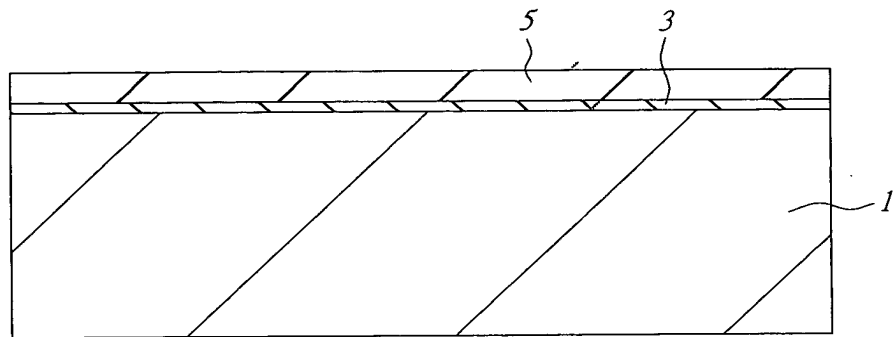
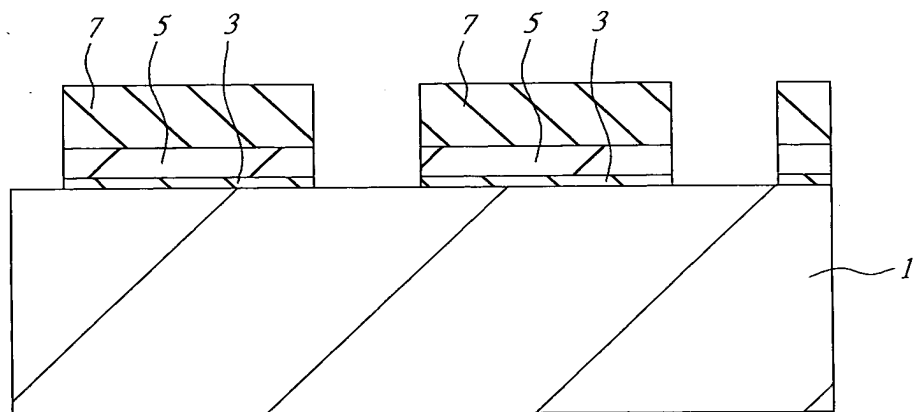


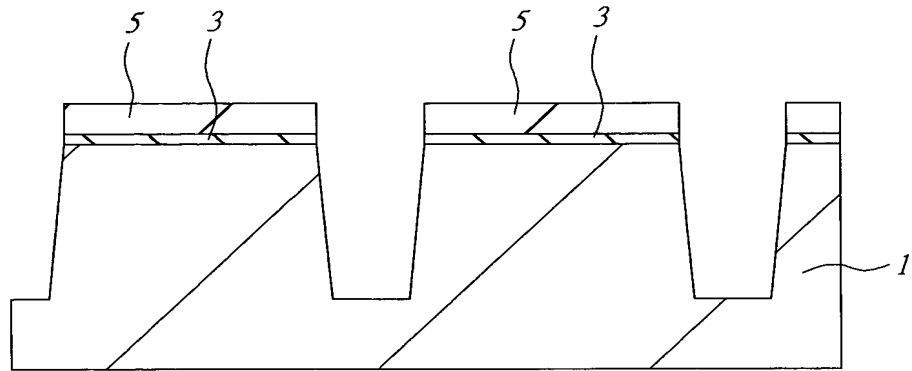
*FIG. 1*



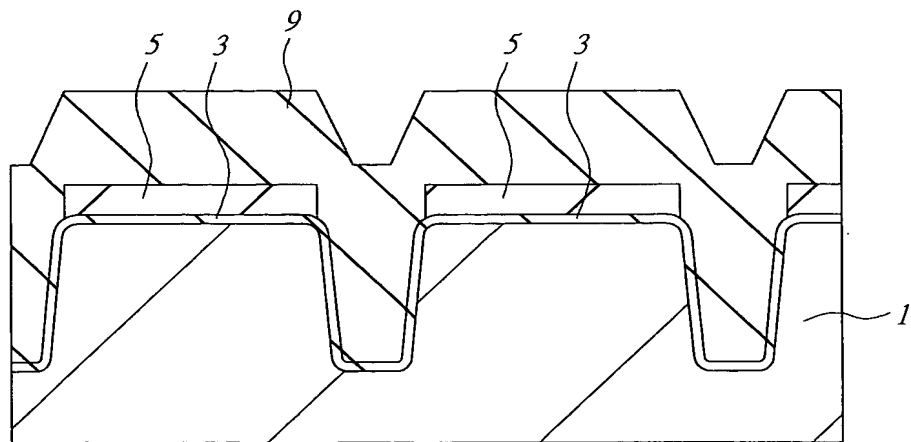
*FIG. 2*



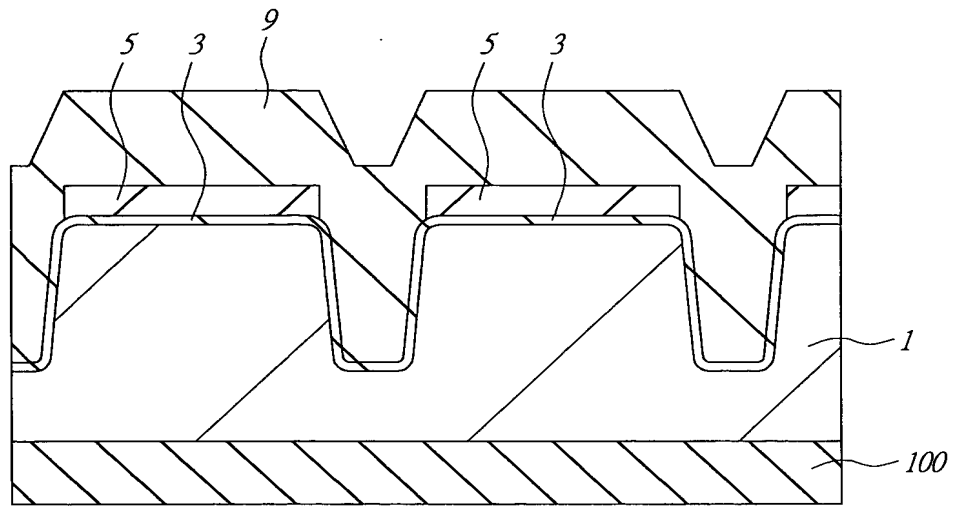
*FIG. 3*



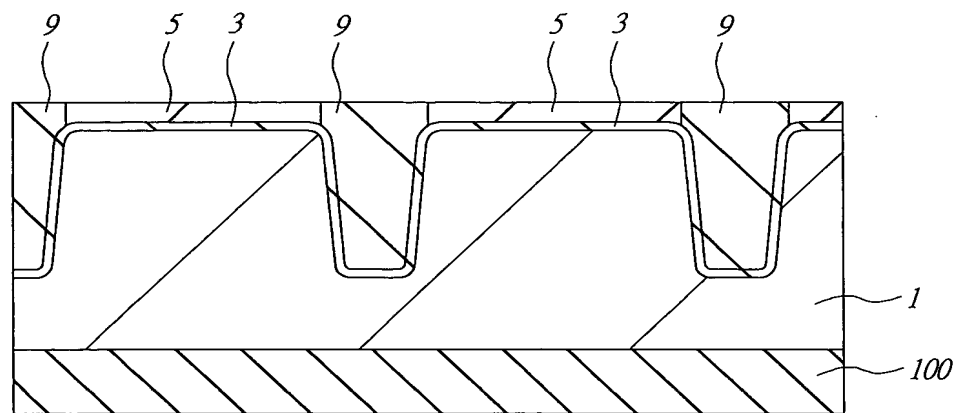
*FIG. 4*



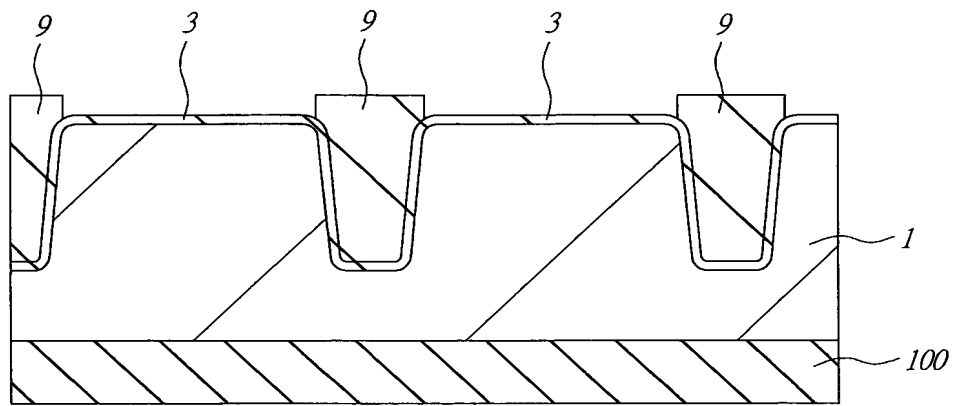
*FIG. 5*



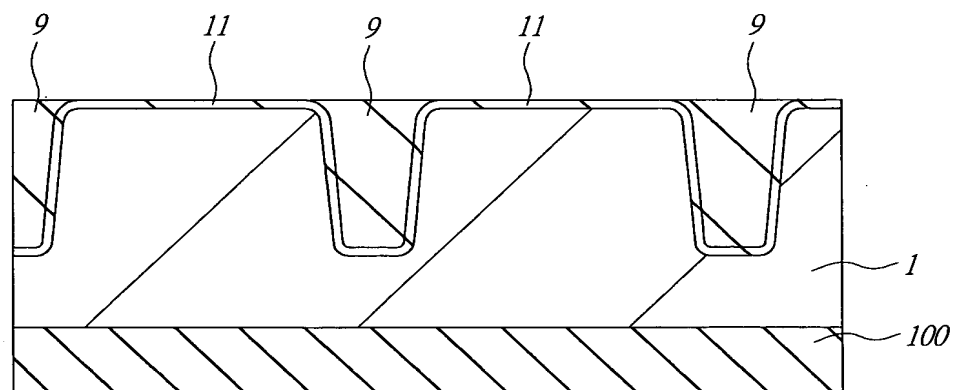
*FIG. 6*



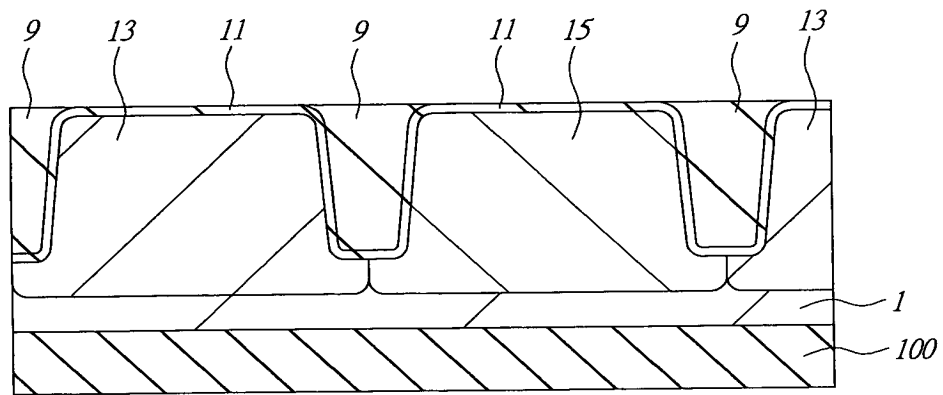
*FIG. 7*



*FIG. 8*



*FIG. 9*



*FIG. 10*

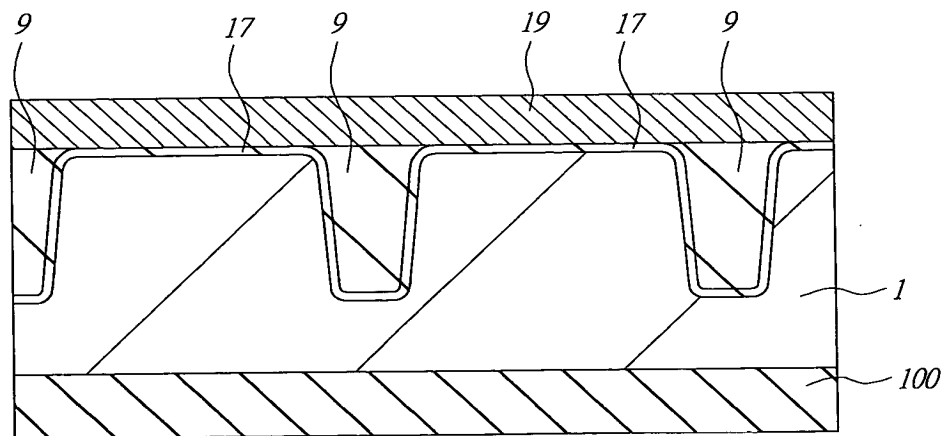


FIG. 11

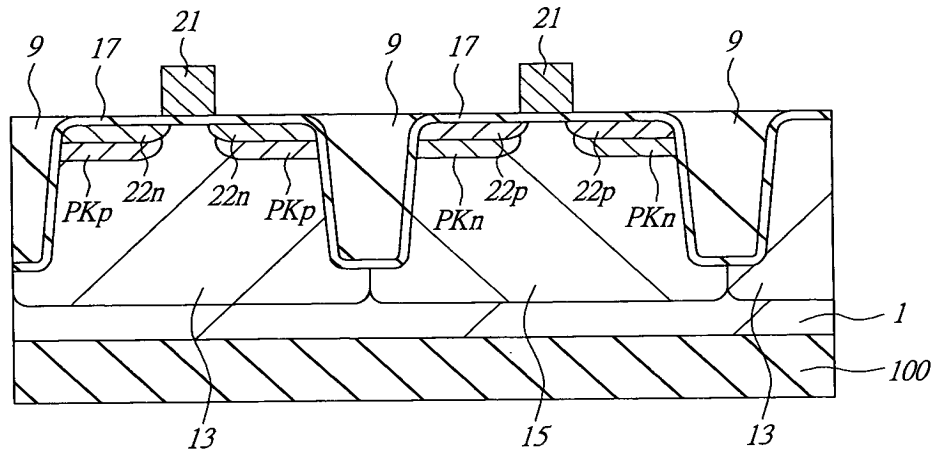


FIG. 12

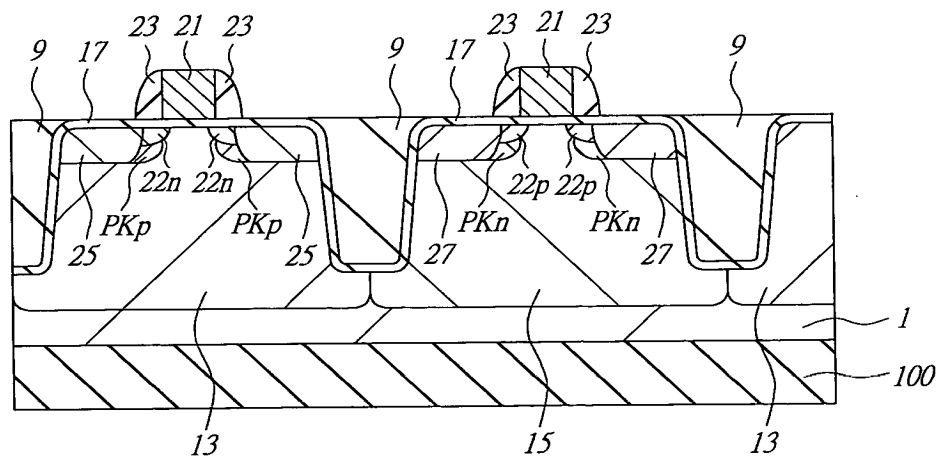




FIG. 15

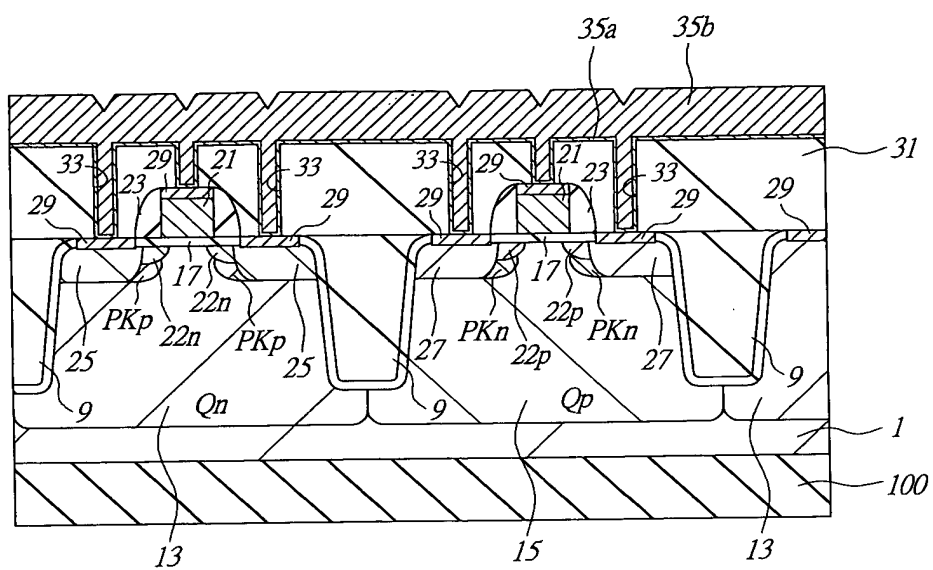


FIG. 16

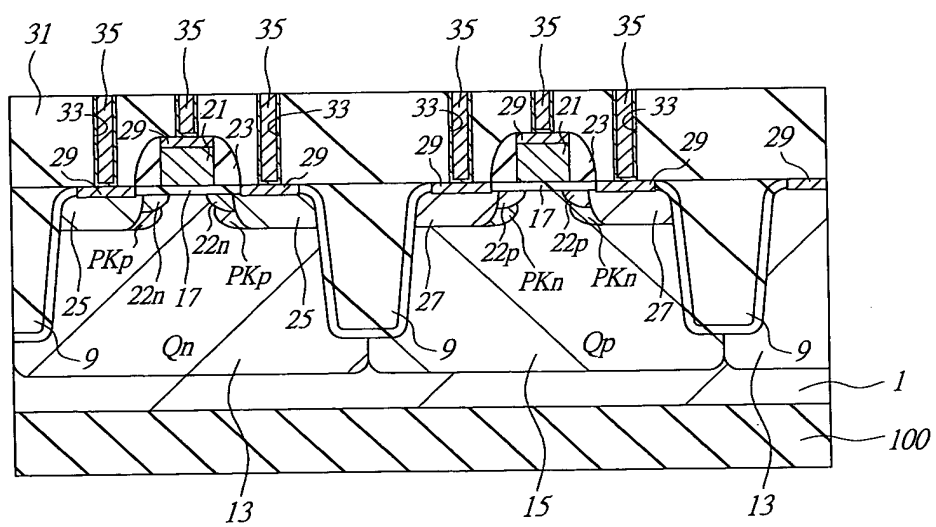




FIG. 17

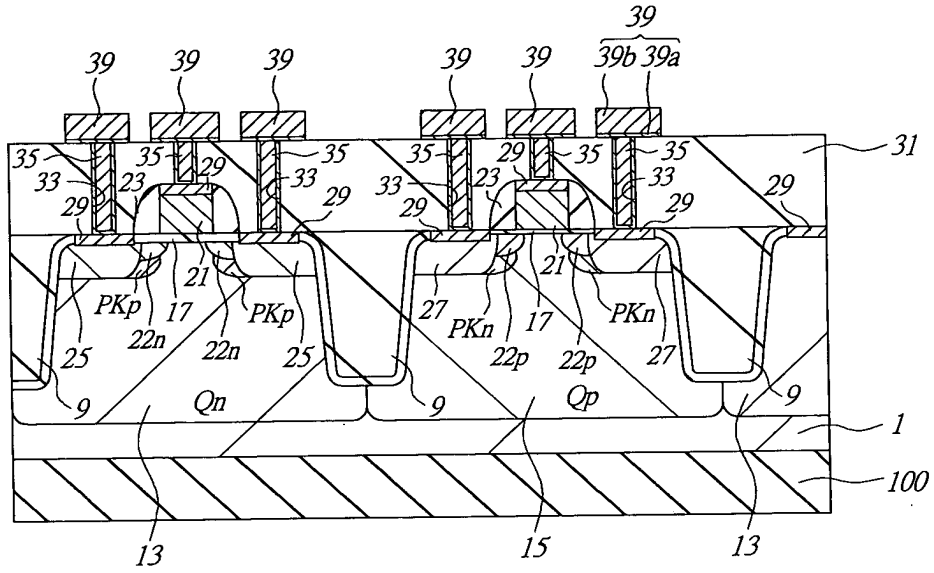


FIG. 18

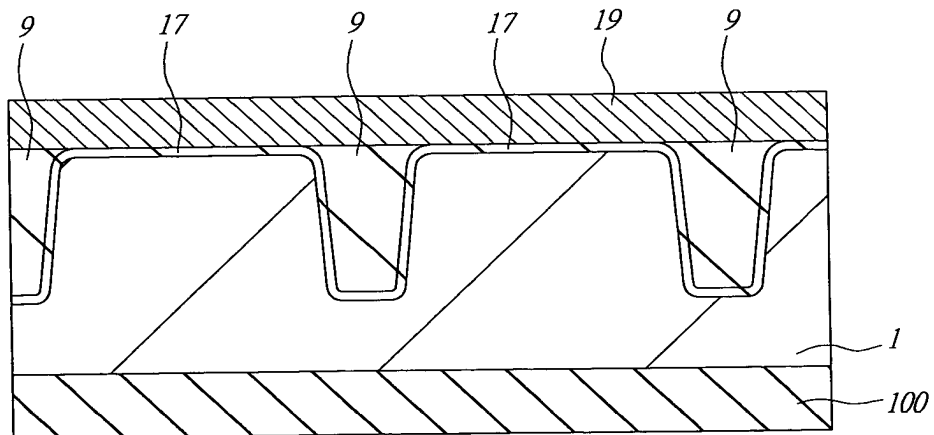


FIG. 19

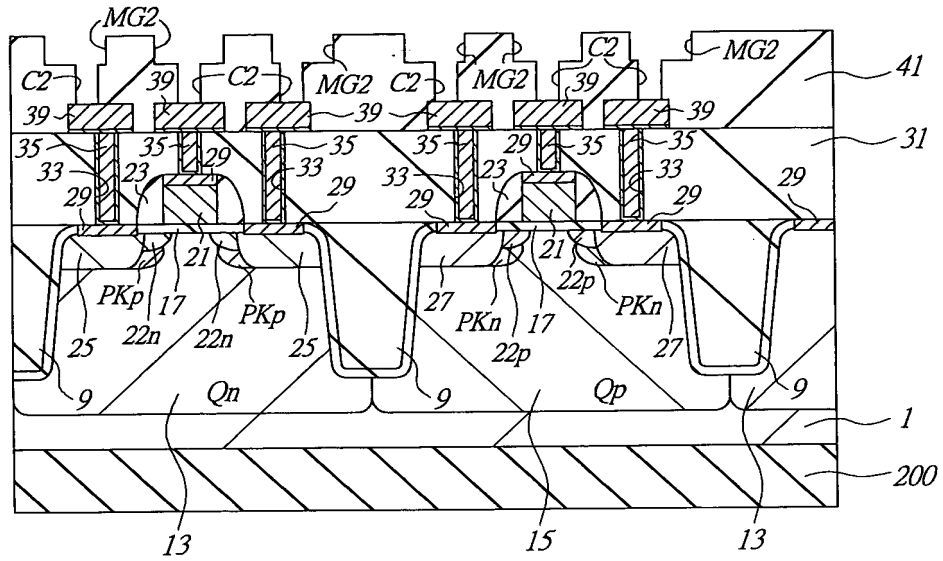
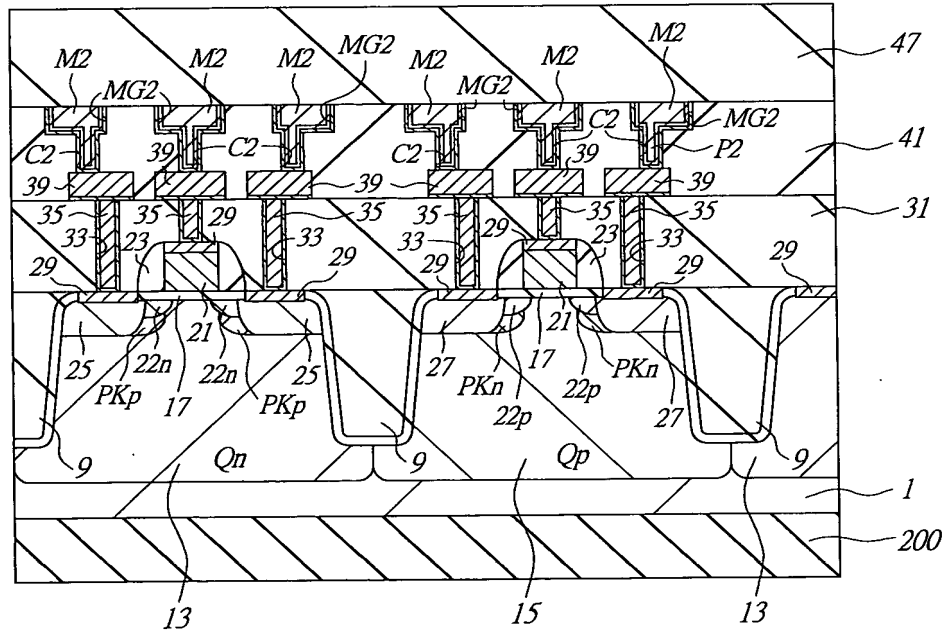
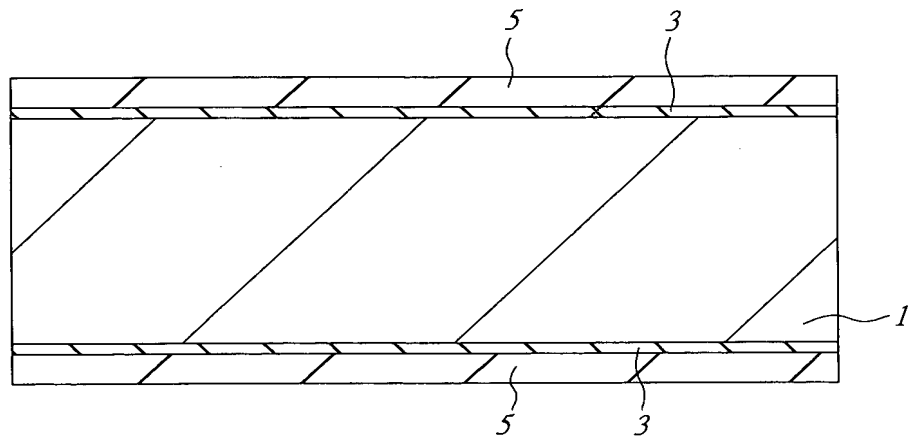


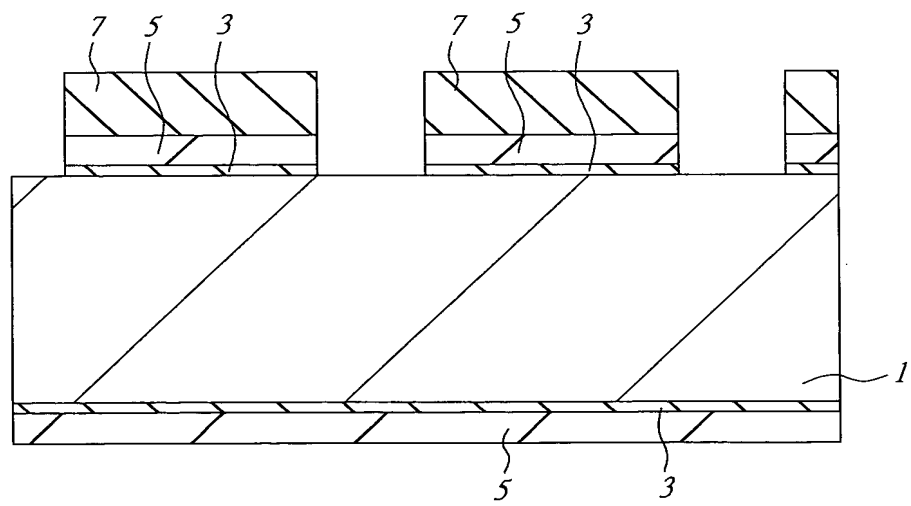
FIG. 20



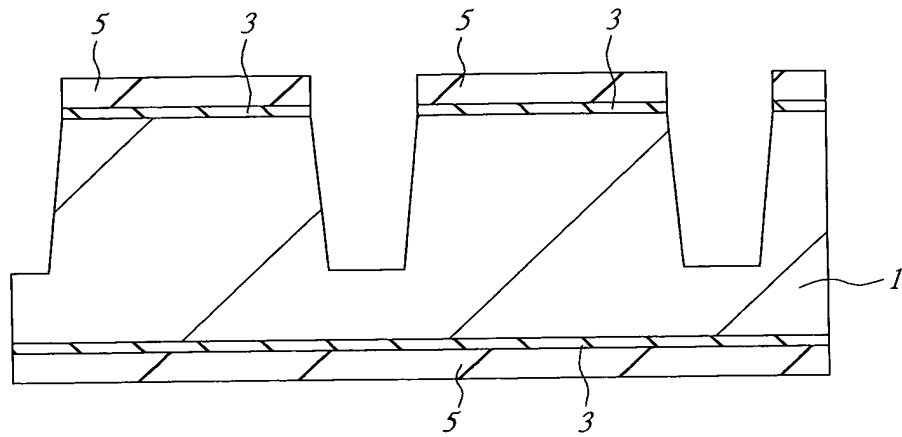
*FIG. 21*



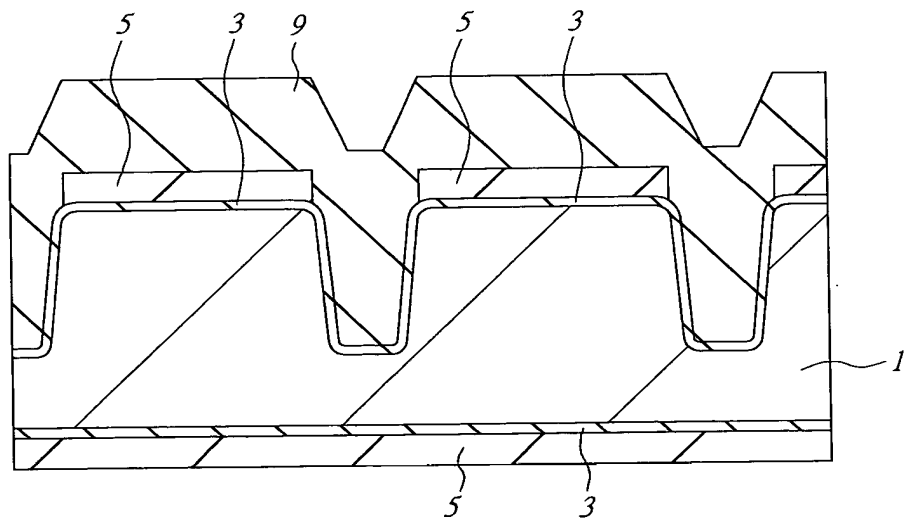
*FIG. 22*



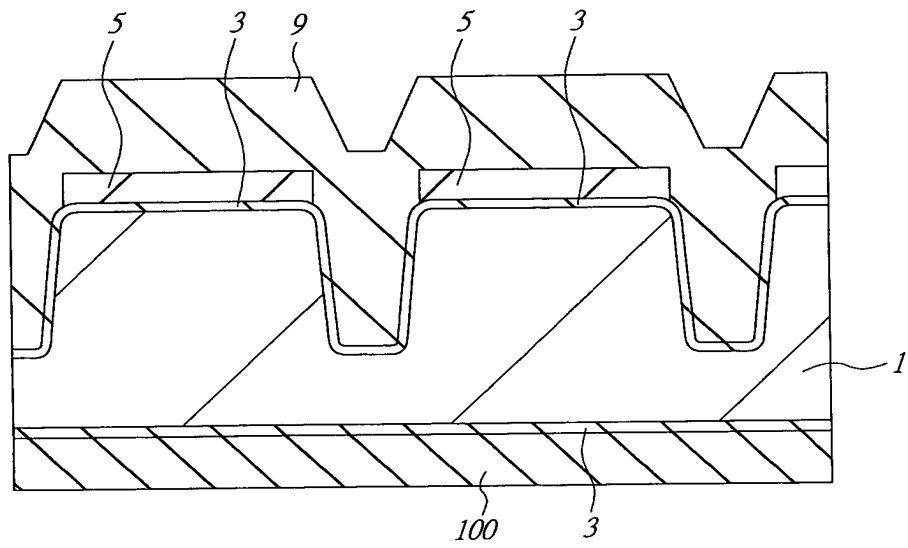
*FIG. 23*



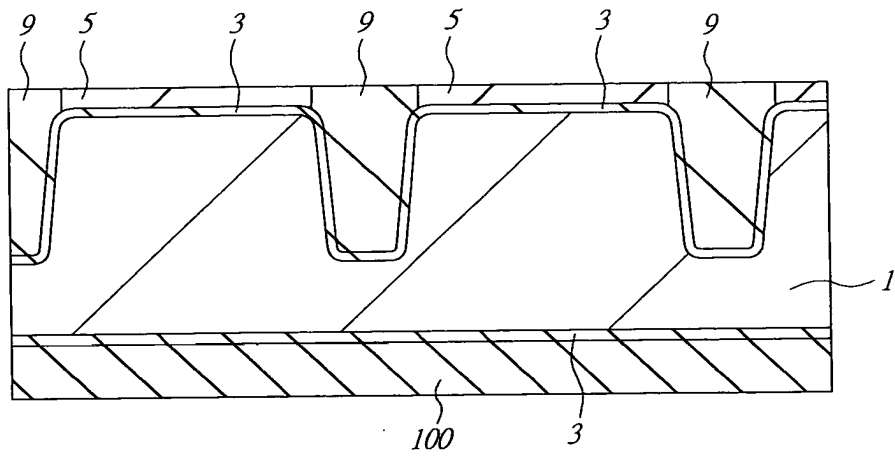
*FIG. 24*



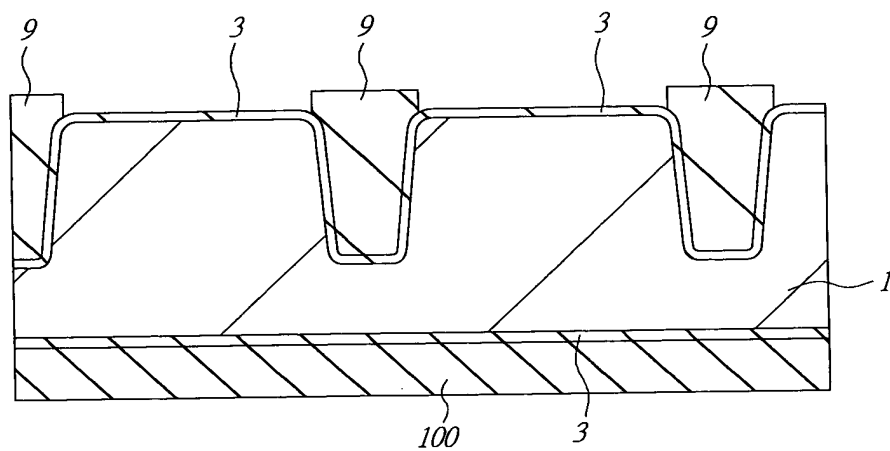
*FIG. 25*



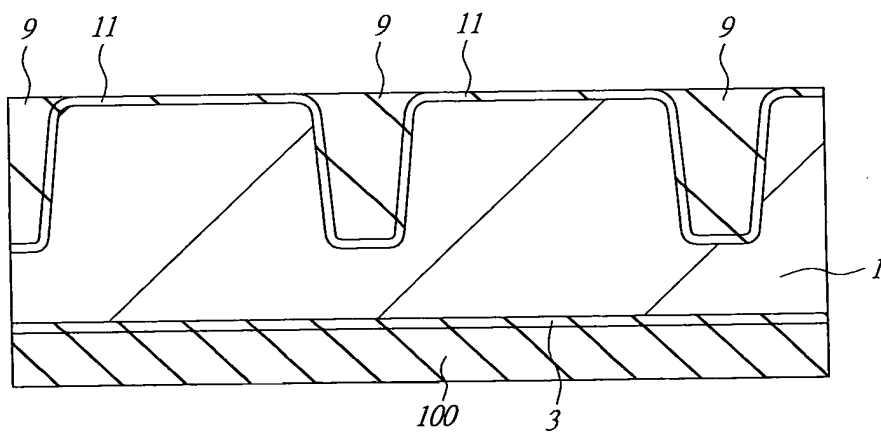
*FIG. 26*



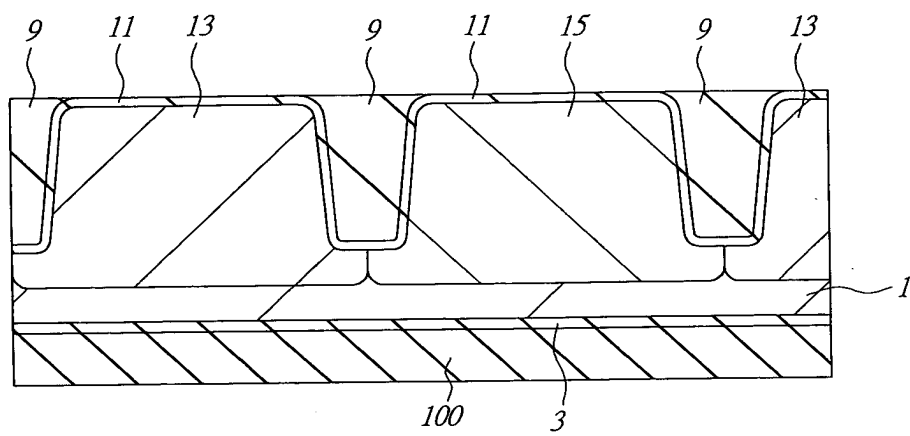
*FIG. 27*



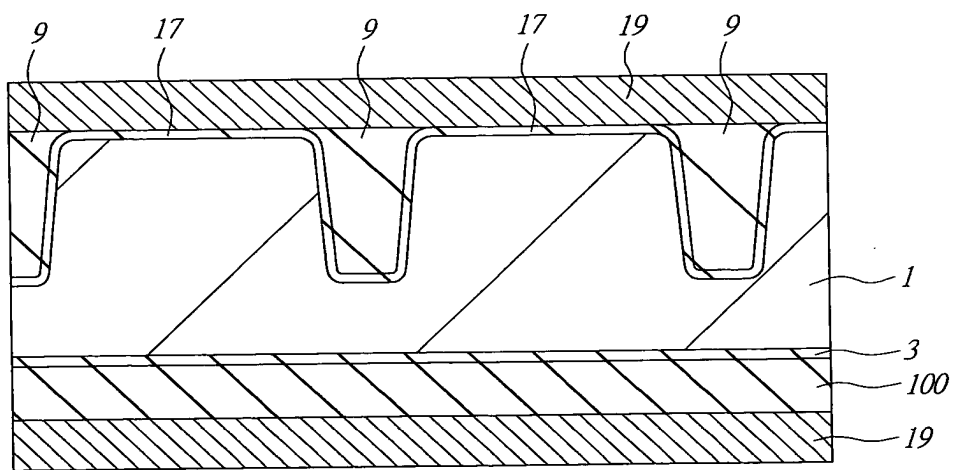
*FIG. 28*



*FIG. 29*



*FIG. 30*



This cross-sectional view shows two gate structures on a substrate. The substrate consists of a base layer 19, a layer 100, and a layer 3. A layer 1 is on top of layer 3. The gate structures are formed on layer 1 and include a gate stack 21, a gate spacer 17, and a gate electrode 9. The gate stack 21 is composed of a layer 22n and a layer 22p. The gate spacer 17 is composed of a layer 22p and a layer 22n. The gate electrode 9 is composed of a layer 22p and a layer 22n. The gate structures are separated by a trench 13. The trench 13 is filled with a material 15. The gate structures are also separated by a trench 15. The trench 15 is filled with a material 13. The gate structures are also separated by a trench 13. The trench 13 is filled with a material 15. The gate structures are also separated by a trench 15. The trench 15 is filled with a material 13.

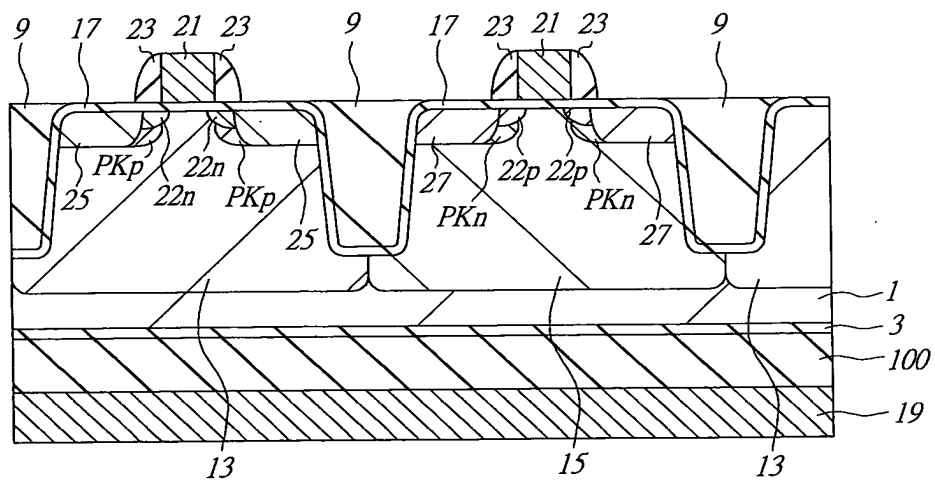
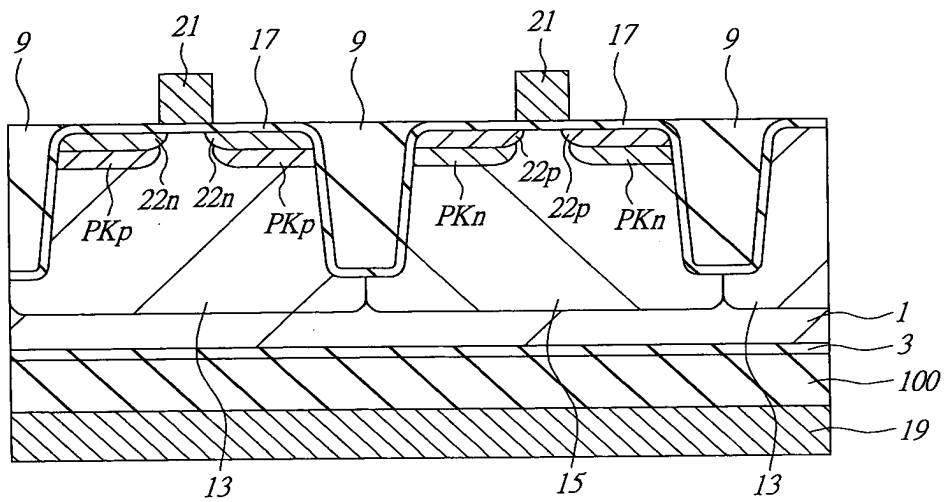




FIG. 33

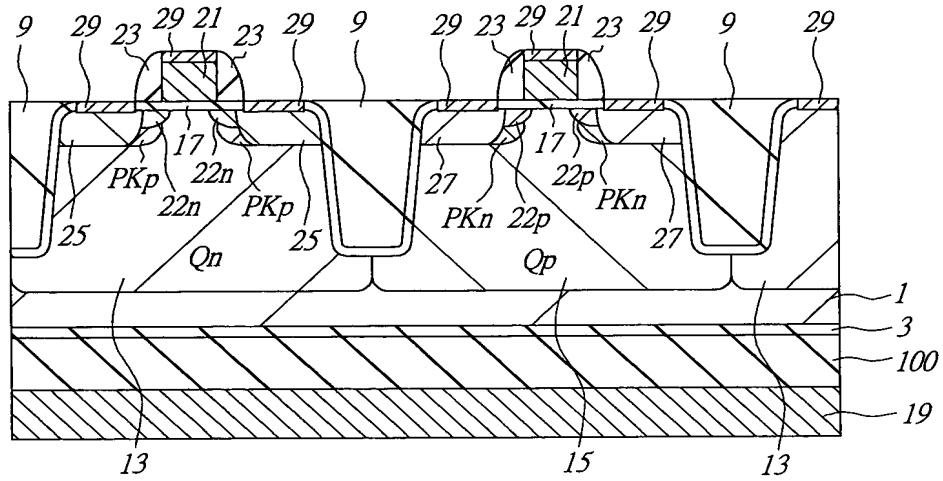


FIG. 34

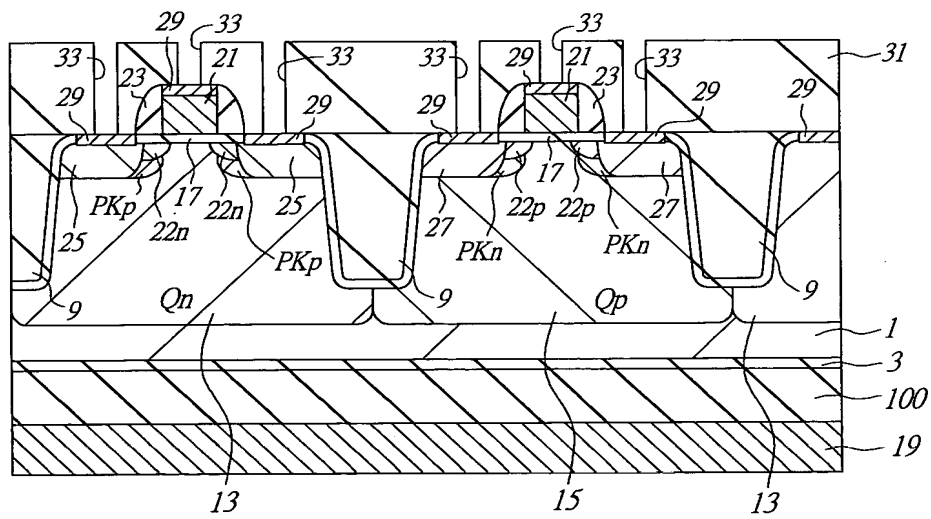


FIG. 35

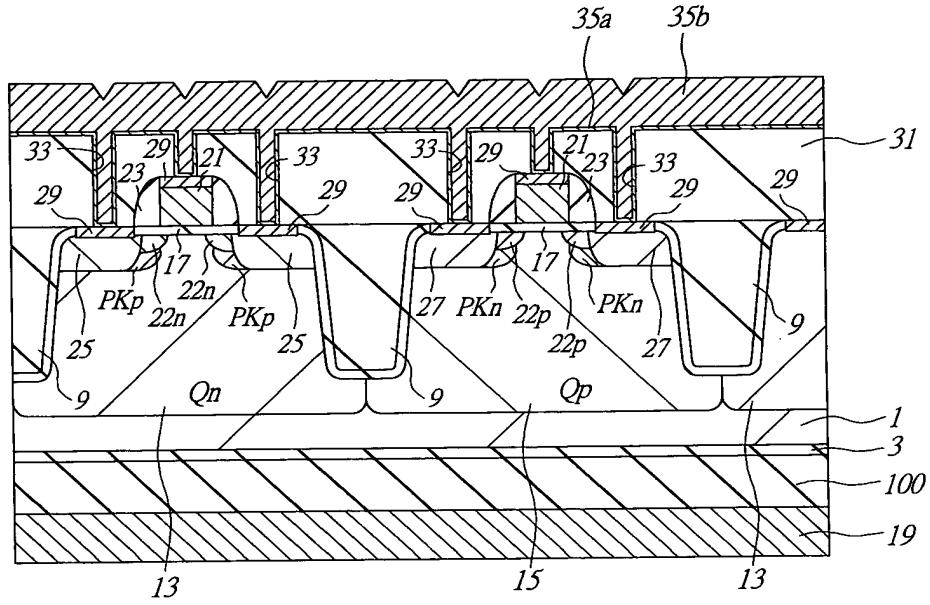
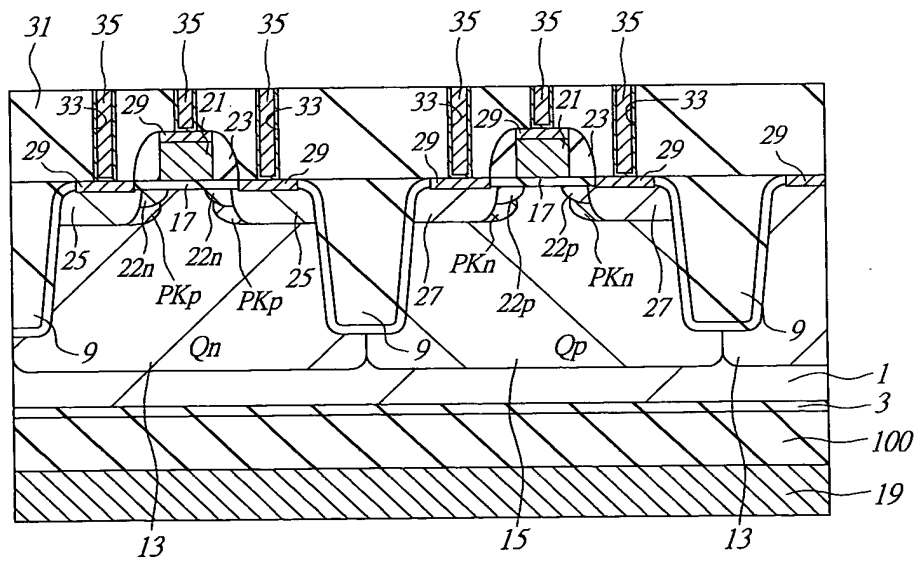
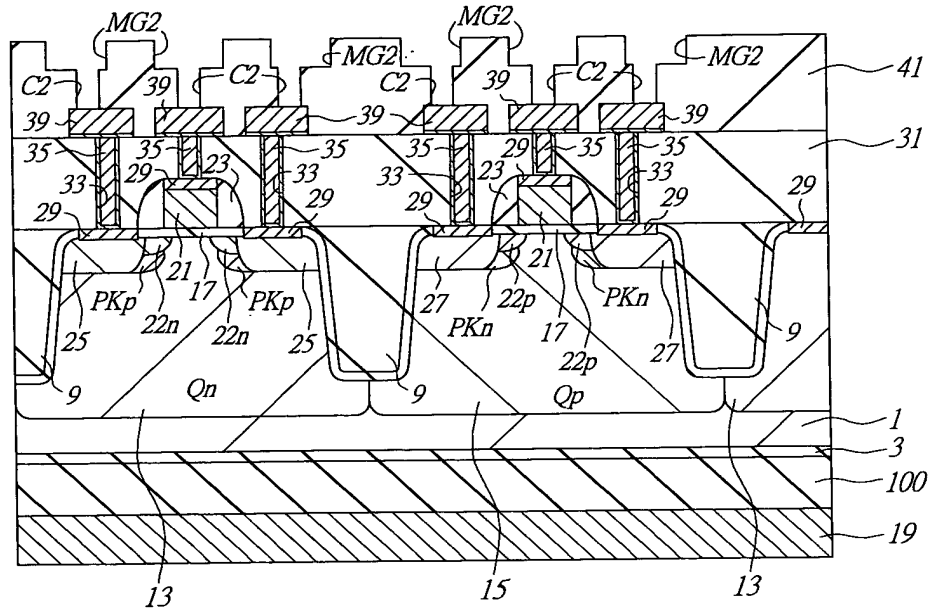


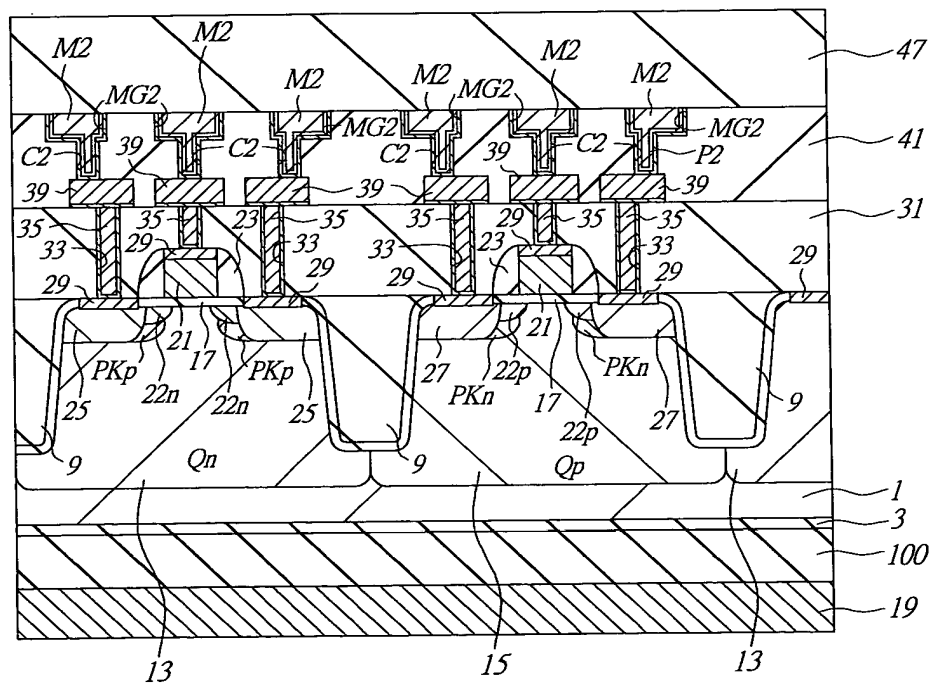
FIG. 36



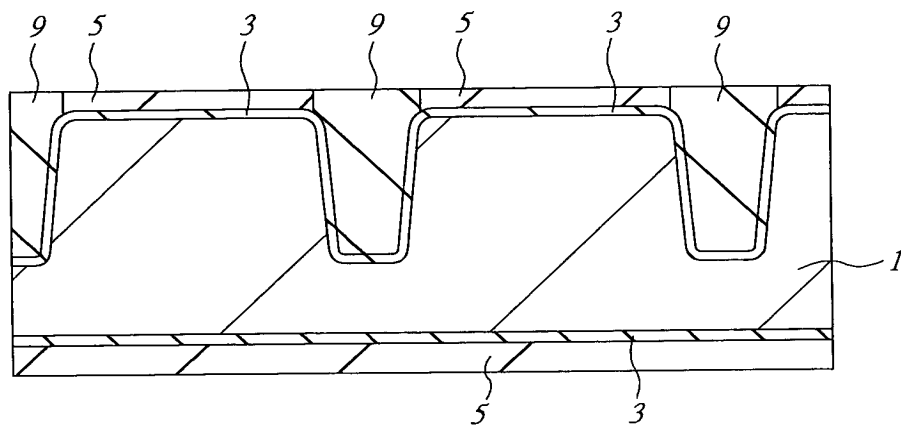
*FIG. 37*



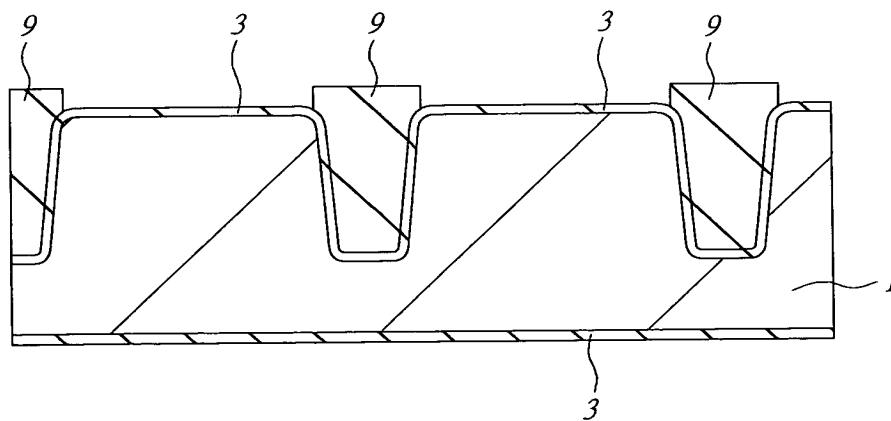
*FIG. 38*



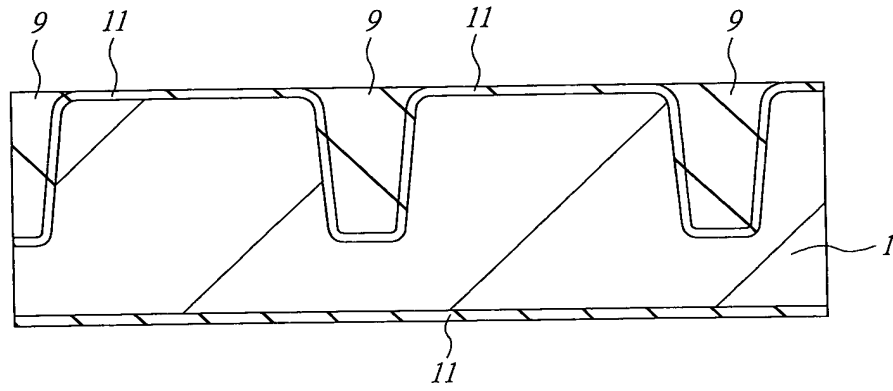
*FIG. 39*



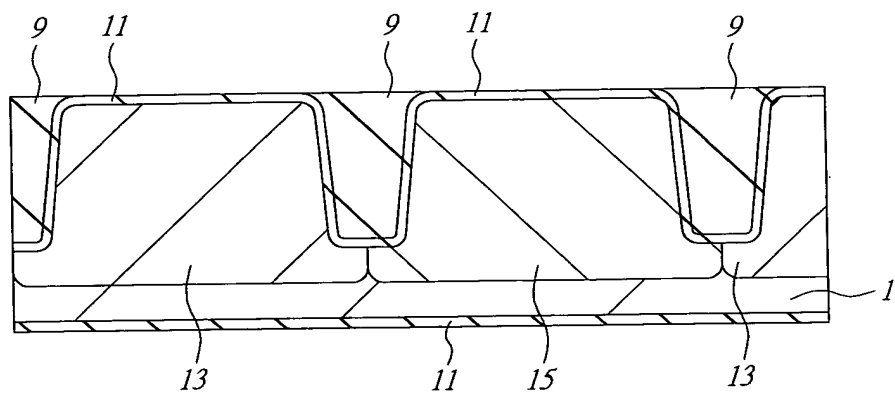
*FIG. 40*



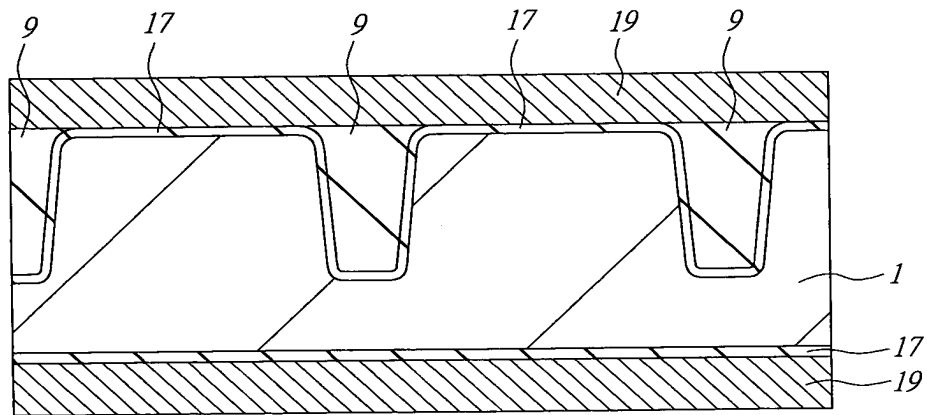
*FIG. 41*



*FIG. 42*



*FIG. 43*



*FIG. 44*

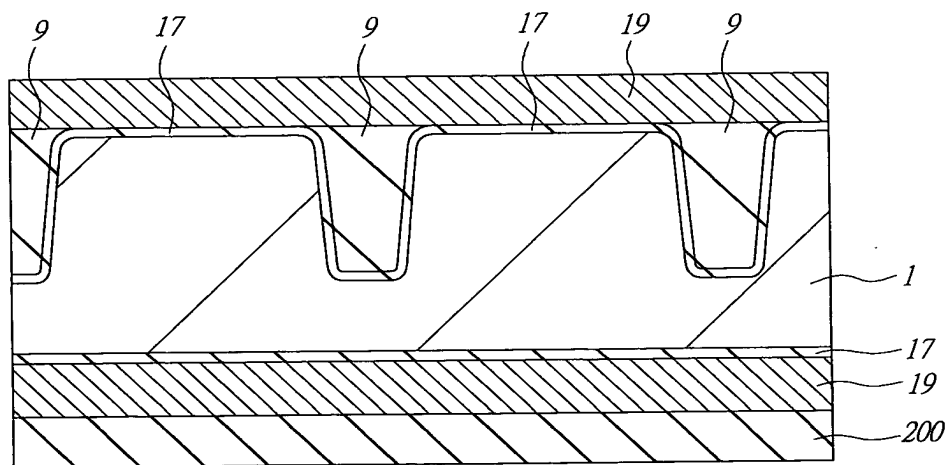


FIG. 45

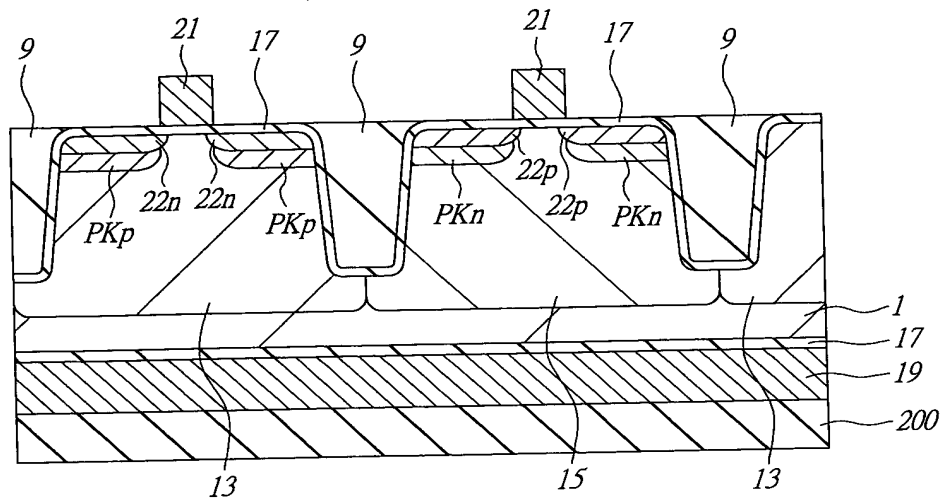
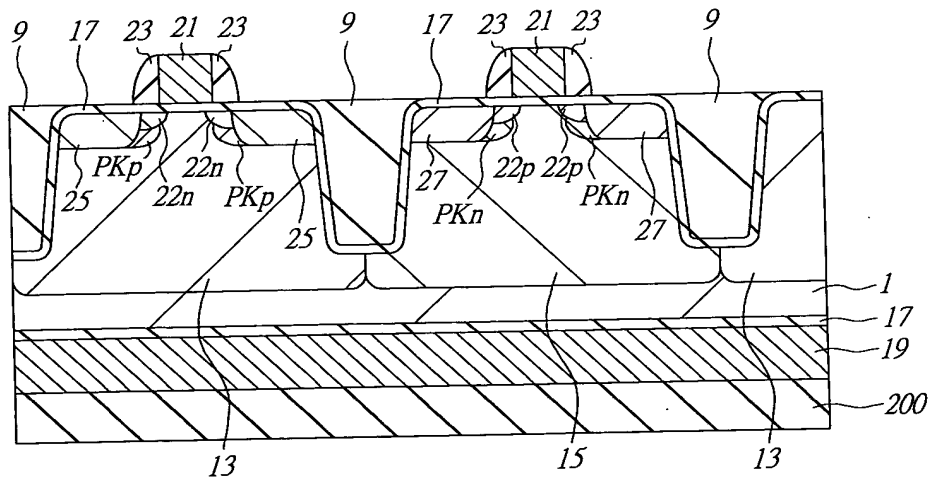
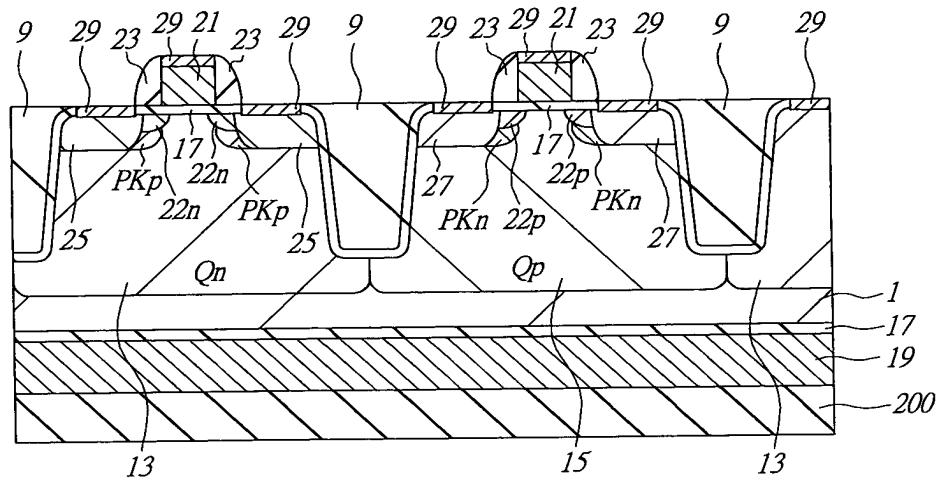


FIG. 46



*FIG. 47*



*FIG. 48*

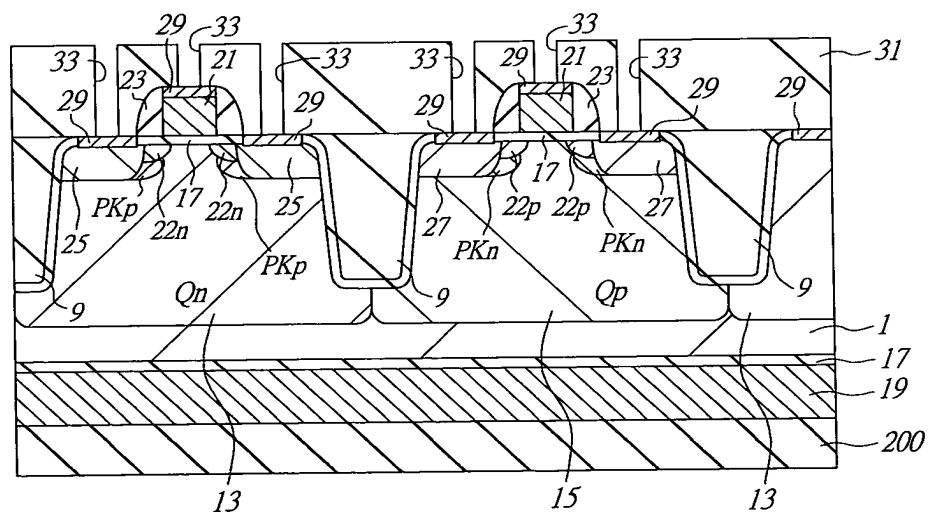




FIG. 49

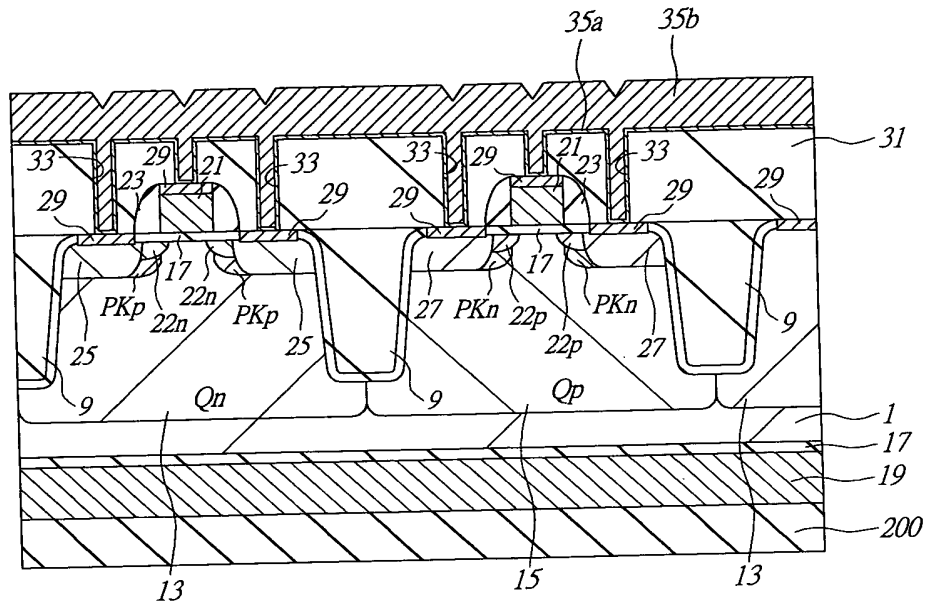


FIG. 50

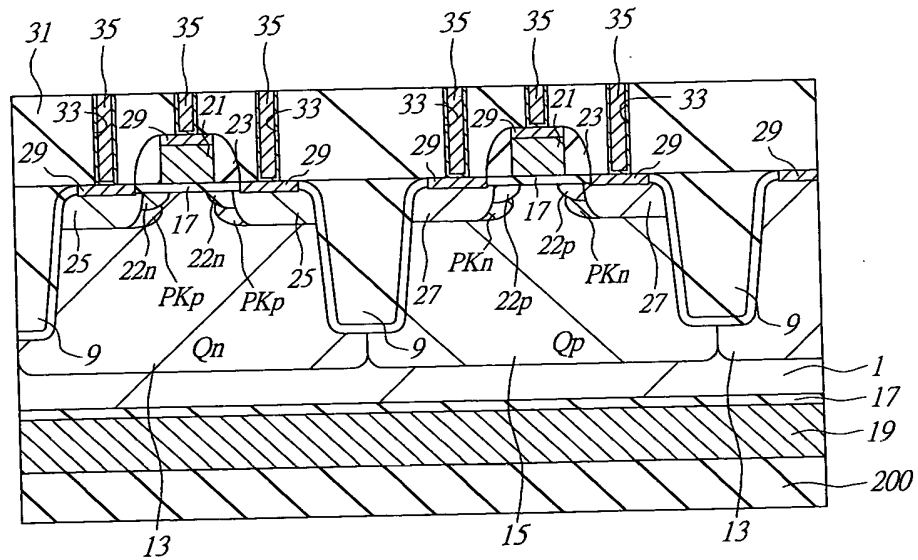


FIG. 51

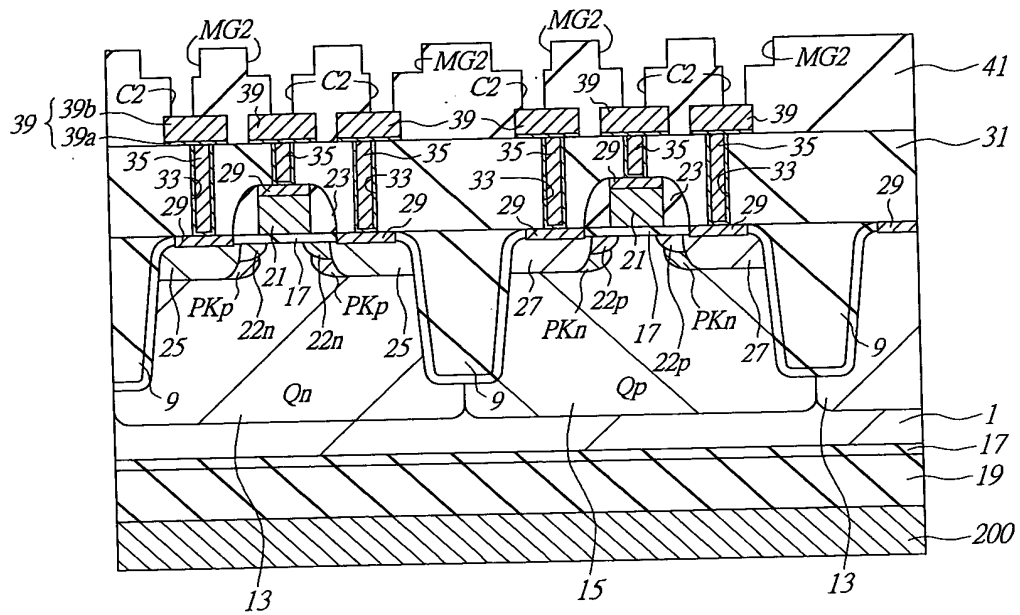
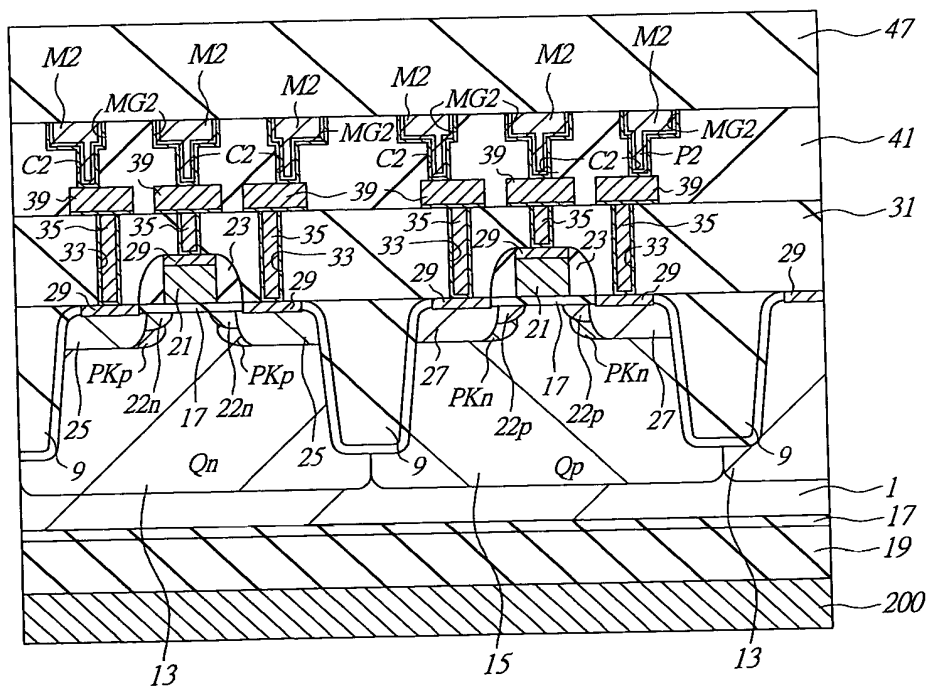
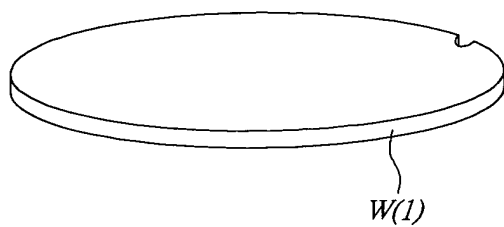


FIG. 52



*FIG. 53*



*FIG. 54*

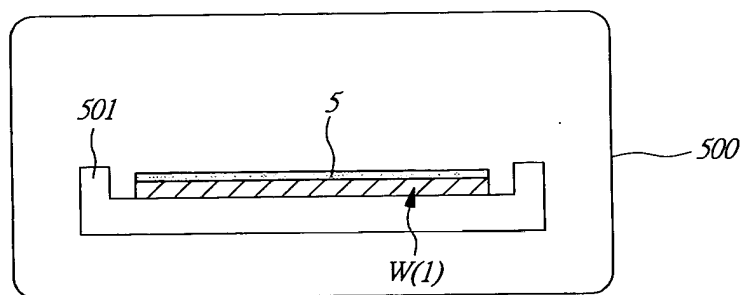
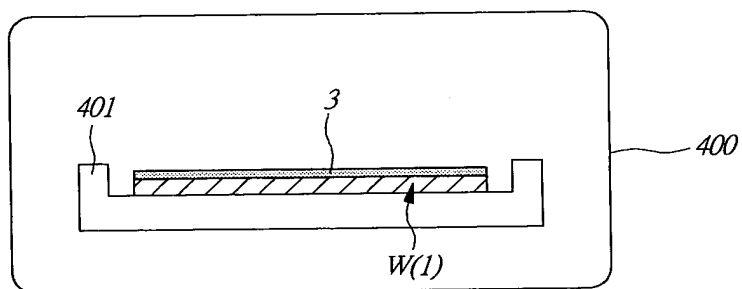


FIG. 55A

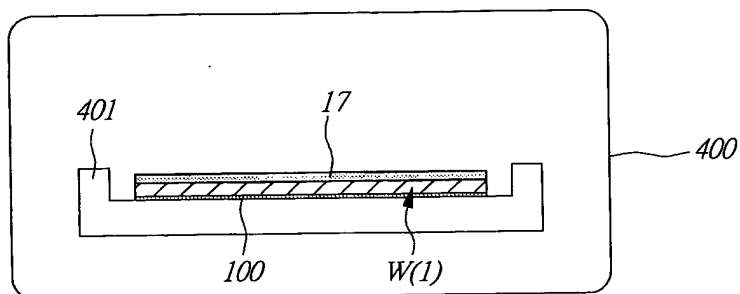


FIG. 55B

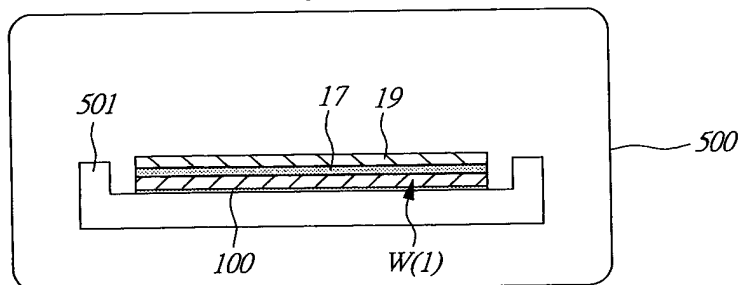


FIG. 55C

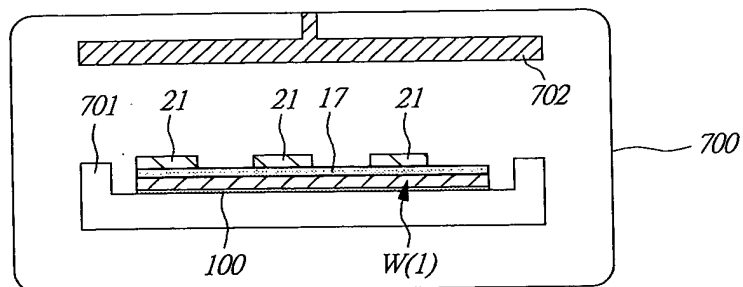


FIG. 55D

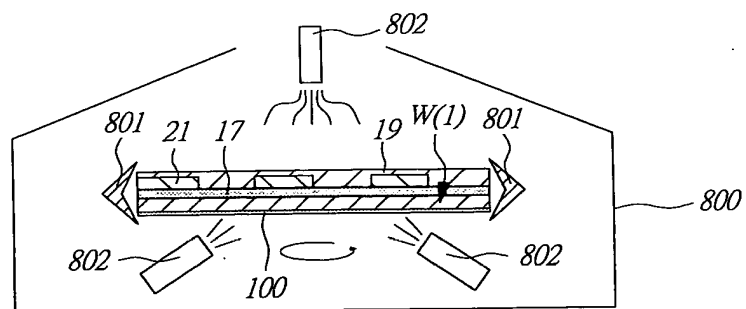


FIG. 56

